

09/973, 994

4/04/05

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 15, 2003, 02:47:25 ; Search time 971.806 Seconds
(without alignments)
9193.767 Million cell

updates/sec

Title: US-09-973-994-79
Perfect score: 307

Sequence: 1 ggtgcgatcctagaattgca.....gccatcaactcgatcgacc 307

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 2054640 seqs, 14551402878 residues

Word size : 0

Total number of hits satisfying chosen parameters: 4109280

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : GenEmbl:
1: gb_ba:
2: gb_htg:
3: gb_in:
4: gb_om:
5: gb_ov:
6: gb_pat:
7: gb_ph:
8: gb_pl:
9: gb_pr:
10: gb_ro:
11: gb_sts:
12: gb_sy:
13: gb_un:
14: gb_vi:
15: em_ba:
16: em_fun:
17: em_hum:
18: em_in:
19: em_mu:
20: em_om:
21: em_or:
22: em_ov:
23: em_pat:
24: em_ph:
25: em_pl:
26: em_ro:
27: em_sts:
28: em_un:
29: em_vi:

30: em_htg_hum:*

 31: em_htg_inv:*

 32: em_htg_other:*

 33: em_htg_mus:*

 34: em_htg_pln:*

 35: em_htg_rod:*

 36: em_htg_mam:*

 37: em_htg_vrt:*

 38: em_sy:*

 39: em_htgo_hum:*

 40: em_htgo_mus:*

 41: em_htgo_other:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed,
 and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
<hr/>						
1 sapi	22	7.2	131427	2	AF121897	AF121897 Homo
2 sapi	22	7.2	185982	2	AC073231	AC073231 Homo
3 sapi	22	7.2	340000	9	HS21C080	AL163280 Homo
4 muscu	21	6.8	185775	2	AL772276	AL772276 Mus
5 muscu	20	6.5	65711	2	AC117583	AC117583 Mus
6 Rattus no	20	6.5	87971	2	AC117094	AC117094
7 Rattus no	20	6.5	94820	2	AC119140	AC119140
c 8	20	6.5	140466	2	AC095152	AC095152
Rattus no	20	6.5	141017	2	AC116962	AC116962
Dictyoste						
c 10	20	6.5	151374	2	AC111772	AC111772
Rattus no						
11 muscu	20	6.5	274947	2	AL731766	AL731766 Mus
12 Knot	19	6.2	1627	8	ZMKN1	X61308 Z.mays
13 Pseudoalt	19	6.2	5200	1	AY005468	AY005468
c 14 Caenorhabdi	19	6.2	33184	3	U70856	U70856
15 sapi	19	6.2	70162	2	AC026568	AC026568 Homo
c 16 Rattus no	19	6.2	85458	2	AC106054	AC106054
17 muscu	19	6.2	89207	2	AC124098	AC124098 Mus
c 18	19	6.2	104600	9	AP001166	AP001166 Homo

sapi							
c	19	19	6.2	108400	9	AC005193	AC005193 Homo
sapi							
c	20	19	6.2	110000	2	AC129176_2	Continuation
(3 of							
21	19	6.2	123277	9	AC005016	AC005016 Homo	
sapi							
22	19	6.2	134778	9	AC078848	AC078848 Homo	
sapi							
c	23	19	6.2	134979	9	AL359963	AL359963
Human DNA							
24	19	6.2	135607	2	AC115922	AC115922 Mus	
muscu							
c	25	19	6.2	136283	9	AP005202	AP005202 Homo
sapi							
c	26	19	6.2	136791	9	AC079896	AC079896 Homo
sapi							
c	27	19	6.2	140702	2	AC068420	AC068420 Homo
sapi							
28	19	6.2	141866	9	AL451062	AL451062	
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29	19	6.2	143595	2	AC027563	AC027563 Homo	
sapi							
30	19	6.2	148083	9	AF111170	AF111170 Homo	
sapi							
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sapi							
32	19	6.2	155711	3	VYIVD10	AL360354	
Plasmodiu							
c	33	19	6.2	156471	2	AC013568	AC013568 Homo
sapi							
34	19	6.2	162743	4	AC091728	AC091728 Bos	
tauru							
c	35	19	6.2	162810	9	AC006382	AC006382 Homo
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36	19	6.2	162900	2	AC123889	AC123889	
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37	19	6.2	164528	2	AC016800	AC016800 Homo	
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sapi							
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sapi							
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c	42	19	6.2	182035	2	AC068040	AC068040 Homo
sapi							
c	43	19	6.2	183328	2	AC101773	AC101773 Mus
muscu							
44	19	6.2	193516	2	AC117207	AC117207 Mus	
muscu							
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muscu							

LOCUS PIAEMB2R 861 bp mRNA linear PLN 16-JUN-1999
 DEFINITION Picea glauca late embryogenesis abundant protein (EMB2) mRNA, complete cds.
 ACCESSION L47115
 VERSION L47115.1 GI:1350521
 KEYWORDS late embryogenesis abundant protein.
 SOURCE Picea glauca (white spruce)
 ORGANISM Picea glauca
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Coniferopsida; Coniferales; Pinaceae; Picea.
 REFERENCE 1 (bases 1 to 861)
 AUTHORS Dong, J.Z. and Dunstan, D.I.
 TITLE Cloning and characterization of six embryogenesis-associated cDNAs from somatic embryos of Picea glauca and their comparative expression during zygotic embryogenesis
 JOURNAL Plant Mol. Biol. 39 (4), 859-864 (1999)
 PUBMED 10350098
 REFERENCE 2 (bases 1 to 861)
 AUTHORS Dong, J.Z. and Dunstan, D.I.
 TITLE Direct Submission
 JOURNAL Submitted (30-MAY-1996) Crop Science, Horticulture Research International, East Malling, West Malling, Kent ME19 6BJ, UK
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 /db_xref="taxon:3330"
 /note="(vector lambda zap)"
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 CDS 55..648
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 121 catccaaaccc ttaacctccg attctcaagc ccgctgaaaa accccatcaa gtcaacccta
 181 aattcgtctt ctgaacagca agaaggcctt acttcaaacg gatcctcaa acatctttc
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 481 gtgaaacaaa ccctagaaaat gttcgatgcc cttttgacta aattggccga agccgaaaga
 541 ggtgctgtac agaggtccat gggattgaag atggaacacgc ttaaaggcaga gctttcacaa
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781 gaattttcg ttatagaaac aattaatgct gtaaggtcat tcttctttg tgcttcatgt
841 taagcttac ataatttctt t

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LOCUS PIAEMB6R **942 bp** **DNA** **linear** **PLN** **16-JUN-1999**
DEFINITION *Picea glauca late embryogenesis abundant protein (EMB6) mRNA, complete cds.*
ACCESSION L47116
VERSION L47116.1 GI:1350540
KEYWORDS late embryogenesis abundant protein.
SOURCE *Picea glauca (white spruce)*
ORGANISM *Picea glauca*
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Coniferopsida; Coniferales; Pinaceae; Picea.
REFERENCE 1 (bases 1 to 942)
AUTHORS Dong, J.Z. and Dunstan, D.I.
TITLE Cloning and characterization of six embryogenesis-associated cDNAs from somatic embryos of *Picea glauca* and their comparative expression during zygotic embryogenesis
JOURNAL Plant Mol. Biol. 39 (4), 859-864 (1999)
PUBMED 10350098
REFERENCE 2 (bases 1 to 942)
AUTHORS Dong, J.Z. and Dunstan, D.I.
TITLE Direct Submission
JOURNAL Submitted (30-MAY-1996) Crop Science, Horticulture Research International, East Malling, West Malling, Kent ME19 6BJ, UK
FEATURES **source** Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:3330"
/dev_stage="mature somatic embryo"
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/gene="EMB6"
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/gene="EMB6"
CDS 50..769
/gene="EMB6"
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3'UTR 770..942
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121 ggagaattgg cagaaaggagg aacgcgctgt cgacgacagt agggtaaat ttagctttc
181 ggtatgtcgt tcaggacactg ggagaatctt acgccacagg cctgacgagg aggaagtttgc
241 cgtcactccg gtgaaggccct gccctatact tgctgctggta aaagatgaga attcggccgg
301 aagggacttg gcgtcttgg ctttagatgt cttggtagag gtagtctgtaa acctcggggca
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421 taatgaaacg cattttggtt ttaaaacccc ggatcctgtg cggagaccta atcgttcgt
481 attttaaat caaagccatg caaattccgc ttccggaaat gatagtccat ctcgatggcc
541 tgcaacgccc aaggcaccga aacgtgttgtt gaagcatcg aatcttctcg cgagtgataaa

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661 tgggttgcgcgcata ctatggctt gaagccgggc attgctacaa acagggttt
721 atttagcacg gatgagctt ctggggcatt gtcccgac tgcataataga aagttacga
781 agggaaatgcg ggatcctccc atttttttt tcaagtgttggaaaacagg cgaggagga
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901 taaactctgt aaaaacaaat cttcaaccag ttttgggtc cc

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